

Information Disclosure Statement

USPN 10/786,736

November 2, 2004

Page 7

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 1 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|--------------------|-------|---------------|----------------------------------------------------|
| <i>MS</i> | 10/792,411 | | Sievenpiper | | | 3/2/2004 |
| | 10/792,412 | | Sievenpiper | | | 3/2/2004 |
| | 10/836,966 | | Sievenpiper | | | 4/30/2004 |
| | 10/844,104 | | Sievenpiper et al. | | | 5/11/2004 |
| | 2001/0035801 A1 | 11/2001 | Gilbert | 333 | 126 | |
| | 2002/0036586 A1 | 3/2002 | Gothard et al. | 342 | 374 | |
| | 2003/0122721 A1 | 7/2003 | Sievenpiper | 343 | 767 | |
| | 2003/0227351 A1 | 12/2003 | Sievenpiper | 333 | 105 | |
| | 2004/0135649 A1 | 7/2004 | Sievenpiper | 333 | 105 | |
| | 3,267,480 | 8/1966 | Lerner | 343 | 911 | |
| | 3,560,978 | 2/1971 | Himmel et al. | 343 | 106 | |
| | 3,810,183 | 5/1974 | Krutsinger et al. | 343 | 708 | |
| | 3,961,333 | 6/1976 | Purinton | 343 | 872 | |
| <i>Y</i> | 4,045,800 | 8/1977 | Tang et al. | 343 | 854 | |

| | |
|-----------------------------------|-----------------------------------|
| EXAMINER <i>Kimberly Allen</i> | DATE CONSIDERED <i>4/24/05</i> |
|-----------------------------------|-----------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 8

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 2 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|-----------------|-------|---------------|----------------------------------------------------|
| <i>EA</i> | 4,051,477 | 9/1977 | Murphy et al. | 343 | 700 MS | |
| | 4,119,972 | 10/1978 | Fletcher et al. | 343 | 844 | |
| | 4,123,759 | 10/1978 | Hines et al. | 343 | 854 | |
| | 4,124,852 | 11/1978 | Steudel | 343 | 854 | |
| | 4,127,586 | 11/1978 | Rody et al. | 260 | 308 B | |
| | 4,150,382 | 11/1979 | King | 343 | 754 | |
| | 4,173,759 | 11/1979 | Bakhru | 343 | 100 | |
| | 4,189,733 | 2/1980 | Malm | 343 | 100 SA | |
| | 4,217,587 | 8/1980 | Jacomini | 343 | 100 SA | |
| | 4,220,954 | 9/1980 | Marchland | 343 | 113 R | |
| | 4,236,158 | 11/1980 | Daniel | 343 | 100 LE | |
| | 4,242,685 | 12/1980 | Sanford | 343 | 770 | |
| | 4,266,203 | 5/1981 | Saudreau et al. | 333 | 21 A | |
| | 4,308,541 | 12/1981 | Seidel et al. | 343 | 786 | |
| | 4,367,475 | 1/1983 | Schiavone | 343 | 767 | |
| | 4,370,659 | 1/1983 | Chu et al. | 343 | 772 | |
| | 4,387,377 | 6/1983 | Kandler | 343 | 756 | |
| | 4,395,713 | 7/1983 | Nelson et al. | 343 | 713 | |
| | 4,443,802 | 4/1984 | Mayes | 343 | 729 | |
| <i>✓</i> | 4,590,478 | 5/1986 | Powers et al. | 343 | 700 MS | |

| | |
|-----------------------|----------------------------|
| EXAMINER <i>EA</i> | DATE CONSIDERED 4/20/05 |
|-----------------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 9

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 3 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|-----------------|-------|---------------|----------------------------------------------------|
| HA | 4,594,595 | 6/1986 | Struckman | 343 | 770 | |
| | 4,672,386 | 6/1987 | Wood | 343 | 770 | |
| | 4,684,953 | 8/1987 | Hall | 343 | 725 | |
| | 4,700,197 | 10/1987 | Milne | 343 | 837 | |
| | 4,737,795 | 4/1988 | Nagy et al. | 343 | 712 | |
| | 4,749,966 | 6/1988 | Tresselt | 343 | 700 MS | |
| | 4,760,402 | 7/1988 | Mizuno et al. | 343 | 713 | |
| | 4,782,346 | 11/1988 | Sharma | 343 | 795 | |
| | 4,803,494 | 2/1989 | Norris et al. | 343 | 770 | |
| | 4,821,040 | 4/1989 | Johnson et al. | 343 | 700 MS | |
| | 4,835,541 | 5/1989 | Johnson et al. | 343 | 713 | |
| | 4,843,400 | 6/1989 | Tsao et al. | 343 | 700 MS | |
| | 4,843,403 | 6/1989 | Lalezari et al. | 343 | 767 | |
| | 4,853,704 | 8/1989 | Diaz et al. | 343 | 767 | |
| | 4,903,033 | 2/1990 | Tsao et al. | 343 | 700 MS | |
| | 4,905,014 | 2/1990 | Gonzalez et al. | 343 | 909 | |
| | 4,916,457 | 4/1990 | Foy et al. | 343 | 770 | |
| | 4,922,263 | 5/1990 | Dubost et al. | 343 | 797 | |
| | 4,958,165 | 9/1990 | Axford et al. | 343 | 770 | |
| ✓ | 5,021,795 | 6/1991 | Masiulis | 343 | 700 MS | |

| | |
|-----------------------------|----------------------------|
| EXAMINER <i>H. Stern</i> | DATE CONSIDERED 4/26/05 |
|-----------------------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 10

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 4 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|--------------------|-------|---------------|----------------------------------------------------|
| 21 | 5,023,623 | 6/1991 | Kreinherder et al. | 343 | 725 | |
| | 5,070,340 | 12/1991 | Diaz | 343 | 767 | |
| | 5,081,466 | 1/1992 | Bitter, Jr. | 343 | 767 | |
| | 5,115,217 | 5/1992 | McGrath et al. | 333 | 246 | |
| | 5,146,235 | 9/1992 | Frese | 343 | 895 | |
| | 5,158,611 | 10/1992 | Ura et al. | 106 | 499 | |
| | 5,235,343 | 8/1993 | Audren et al. | 343 | 816 | |
| | 5,268,696 | 12/1993 | Buck et al. | 342 | 372 | |
| | 5,268,701 | 12/1993 | Smith | 343 | 767 | |
| | 5,287,116 | 2/1994 | Iwasaki et al. | 343 | 700 MS | |
| | 5,287,118 | 2/1994 | Budd | 343 | 909 | |
| | 5,402,134 | 3/1995 | Miller et al. | 343 | 742 | |
| | 5,406,292 | 4/1995 | Schnetzler et al. | 343 | 700 MS | |
| | 5,519,408 | 5/1996 | Schnetzler | 343 | 767 | |
| | 5,525,954 | 6/1996 | Komazaki et al. | 333 | 219 | |
| | 5,531,018 | 7/1996 | Saia et al. | 29 | 622 | |
| | 5,532,709 | 7/1996 | Talty | 343 | 819 | |
| | 5,534,877 | 7/1996 | Sorbello et al. | 343 | 700 MS | |
| | 5,541,614 | 7/1996 | Lam et al. | 343 | 792.5 | |
| | 5,557,291 | 9/1996 | Chu et al. | 343 | 725 | |

| | |
|-----------------------------|----------------------------|
| EXAMINER <i>K. Glenn</i> | DATE CONSIDERED 4/26/05 |
|-----------------------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 11

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 5 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|--------------------|-------|---------------|----------------------------------------------------|
| <i>EA</i> | 5,581,266 | 12/1996 | Peng et al. | 343 | 770 | |
| | 5,589,845 | 12/1996 | Yandrofski et al. | 343 | 909 | |
| | 5,611,940 | 3/1997 | Zettler | 73 | 514.16 | |
| | 5,638,946 | 6/1997 | Zavracky | 200 | 181 | |
| | 5,644,319 | 7/1997 | Chen et al. | 343 | 702 | |
| | 5,694,134 | 12/1997 | Barnes | 343 | 700 | |
| | 5,721,194 | 2/1998 | Yandrofski et al. | 505 | 210 | |
| | 5,767,807 | 6/1998 | Pritchett | 342 | 374 | |
| <i>C</i> | 5,808,527 | 9/1998 | De Los Santos | 333 | 205 | |
| | 5,874,915 | 2/1999 | Lee et al. | 342 | 375 | |
| | 5,892,485 | 4/1999 | Glabe et al. | 343 | 789 | |
| | 5,894,288 | 4/1999 | Lee et al. | 343 | 770 | |
| | 5,905,465 | 5/1999 | Olson et al. | 343 | 700 MS | |
| | 5,923,303 | 7/1999 | Schwengler et al. | 343 | 853 | |
| | 5,926,139 | 7/1999 | Korisch | 343 | 702 | |
| | 5,929,819 | 7/1999 | Grinberg | 343 | 754 | |
| | 5,943,016 | 8/1999 | Synder, Jr. et al. | 343 | 700 MS | |
| | 5,945,951 | 8/1999 | Monte et al. | 343 | 700 MS | |
| | 5,949,382 | 9/1999 | Quan | 343 | 767 | |
| <i>✓</i> | 5,966,096 | 10/1999 | Brachat | 343 | 700 MS | |

| | |
|------------------------------|-----------------------------------|
| EXAMINER <i>K. Stearn</i> | DATE CONSIDERED <i>4/24/05</i> |
|------------------------------|-----------------------------------|



EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

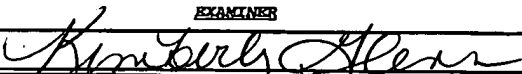
Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 12

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 6 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|-------------------------------------------------------------------------------------|-----------------|---------------|--------------------|-------|---------------|----------------------------------------------------|
|  | 5,966,101 | 10/1999 | Haub et al. | 343 | 767 | |
| | 6,005,519 | 12/1999 | Burns | 343 | 700 MS | |
| | 6,005,521 | 12/1999 | Suguro et al. | 343 | 700 MS | |
| | 6,008,770 | 12/1999 | Sugawara | 343 | 767 | |
| | 6,016,125 | 1/2000 | Johansson | 343 | 702 | |
| | 6,028,561 | 2/2000 | Takei | 343 | 767 | |
| | 6,034,644 | 3/2000 | Okabe et al. | 343 | 767 | |
| | 6,034,655 | 3/2000 | You | 345 | 60 | |
| | 6,037,905 | 3/2000 | Koscica et al. | 343 | 701 | |
| | 6,040,803 | 3/2000 | Spall | 343 | 700 MS | |
| | 6,046,655 | 4/2000 | Cipolla | 333 | 137 | |
| | 6,046,659 | 4/2000 | Loo et al. | 333 | 362 | |
| | 6,054,659 | 4/2000 | Lee et al. | 200 | 181 | |
| | 6,061,025 | 5/2000 | Jackson et al. | 343 | 700 MS | |
| | 6,075,485 | 6/2000 | Lilly et al. | 343 | 700 MS | |
| | 6,081,235 | 6/2000 | Romanofsky, et al. | 343 | 700 MS | |
| | 6,081,239 | 6/2000 | Sabet et al. | 343 | 753 | |
| | 6,097,263 | 8/2000 | Mueller et al. | 333 | 17.1 | |
| | 6,097,343 | 8/2000 | Goetz et al. | 343 | 708 | |
|  | 6,118,406 | 9/2000 | Josypenko | 343 | 700 MS | |

| | |
|-------------------------------------------------------------------------------------------------|----------------------------|
| EXAMINER  | DATE CONSIDERED 4/26/05 |
|-------------------------------------------------------------------------------------------------|----------------------------|

EXAMINER: Initial if reference considered. Whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 13

11/04/04

| | | |
|---------------------------------------------------|-------------------------------------------------|--------------------------------------|
| Form PTO-1449 (Modified) Page 7 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLASS | SUB-CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|--------------------|-----------------|------------|--------------------|-------|-----------|-------------------------------------------|
| <i>[Signature]</i> | 6,118,410 | 9/2000 | Nagy | 343 | 713 | |
| | 6,127,908 | 10/2000 | Bozler et al. | 333 | 246 | |
| | 6,150,989 | 11/2000 | Aubry | 343 | 767 | |
| | 6,154,176 | 11/2000 | Fathy et al. | 343 | 700 MS | |
| | 6,166,705 | 12/2000 | Mast et al. | 343 | 853 | |
| | 6,175,337 B1 | 1/2001 | Jasper, Jr. et al. | 343 | 770 | |
| | 6,175,723 B1 | 1/2001 | Rothwell, III | 455 | 63 | |
| | 6,188,369 B1 | 2/2001 | Okabe et al. | 343 | 767 | |
| | 6,191,724 B1 | 2/2001 | McEwan | 342 | 21 | |
| | 6,198,438 B1 | 3/2001 | Herd et al. | 343 | 700 MS | |
| | 6,198,441 B1 | 3/2001 | Okabe et al. | 343 | 702 | |
| | 6,204,819 B1 | 3/2001 | Hayes et al. | 343 | 702 | |
| | 6,218,912 B1 | 4/2001 | Mayer | 333 | 106 | |
| | 6,218,997 B1 | 4/2001 | Lindenmeier et al. | 343 | 725 | |
| | 6,246,377 B1 | 6/2001 | Aiello et al. | 343 | 700 | |
| | 6,252,473 B1 | 6/2001 | Ando | 333 | 105 | |
| | 6,285,325 B1 | 9/2001 | Nalbandian et al. | 343 | 700 MS | |
| | 6,307,519 B1 | 10/2001 | Livingston et al. | 343 | 767 | |
| | 6,317,095 B1 | 11/2001 | Teshirogi et al. | 343 | 785 | |
| | 6,323,826 B1 | 11/2001 | Sievenpiper et al. | 343 | 909 | |

| | |
|---------------------------------------|-----------------------------------|
| EXAMINER <i>[Signature]</i> | DATE CONSIDERED 4/26/05 |
|---------------------------------------|-----------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 14

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 8 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | ISSUE DATE | NAME | CLAS S | SUB- CLASS | FILING DATE or 102(e) DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|--------------------|-----------|---------------|----------------------------------------------------|
| <i>JS</i> | 6,331,257 B1 | 12/2001 | Loo et al. | 216 | 13 | |
| | 6,366,254 B1 | 4/2002 | Sievenpiper et al. | 343 | 700 | |
| | 6,373,349 B2 | 4/2002 | Gilbert | 333 | 126 | |
| | 6,380,895 B1 | 4/2002 | Moren et al. | 343 | 700 MS | |
| | 6,388,631 B1 | 5/2002 | Livingston et al. | 343 | 767 | |
| | 6,392,610 B1 | 5/2002 | Braun et al. | 343 | 876 | |
| | 6,404,390 B2 | 6/2002 | Sheen | 343 | 700 MS | |
| | 6,404,401 B2 | 6/2002 | Gilbert et al. | 343 | 780 | |
| | 6,407,719 B1 | 6/2002 | Ohira et al. | 343 | 893 | |
| | 6,417,807 B1 | 7/2002 | Hsu et al. | 343 | 700 MS | |
| | 6,426,722 B1 | 7/2002 | Sievenpiper et al. | 343 | 700 MS | |
| | 6,440,767 B1 | 8/2002 | Loo et al. | 438 | 52 | |
| | 6,473,362 B1 | 10/2002 | Gabbay | 367 | 119 | |
| | 6,483,480 B1 | 11/2002 | Sievenpiper et al. | 343 | 909 | |
| | 6,496,155 B1 | 11/2002 | Sievenpiper et al. | 343 | 770 | |
| | 6,515,635 B2 | 4/2003 | Chiang et al. | 343 | 834 | |
| | 6,518,931 B1 | 2/2003 | Sievenpiper | 343 | 700 | |
| | 6,538,621 B1 | 3/2003 | Sievenpiper et al. | 343 | 909 | |
| ✓ | 6,552,696 B1 | 4/2003 | Sievenpiper et al. | 343 | 909 | |

| | |
|----------------------------------|-----------------------------------|
| EXAMINER <i>Timothy Allen</i> | DATE CONSIDERED <i>7/26/05</i> |
|----------------------------------|-----------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 15

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 9 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO |
|--|-----------------|------------------|---------|-------|----------|--------------------|
| | 196 00 609 A1 | 4/1997 | DE | | | abstract |
| | 0 539 297 | 4/1993 | EP | | | abstract |
| | 1 158 605 A1 | 11/2001 | EP | | | |
| | 2 785 476 | 5/2000 | FR | | | abstract |
| | 1,145,208 | 3/1969 | GB | | | |
| | 2 281 662 | 3/1995 | GB | | | |
| | 2 328 748 | 3/1999 | GB | | | |
| | 61-260702 | 11/1986 | JP | | | abstract |
| | 94/00891 | 1/1994 | WO | | | |
| | 96/29621 | 9/1996 | WO | | | |
| | 98/21734 | 5/1998 | WO | | | abstract |
| | 99/50929 | 10/1999 | WO | | | |
| | 00/44012 | 7/2000 | WO | | | abstract |
| | 01/31737 | 5/2001 | WO | | | |

| | |
|--------------|----------------------------|
| EXAMINER | DATE CONSIDERED 4/26/05 |
|--------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 16

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 10 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Balanis, C., "Aperture Antennas," <i>Antenna Theory, Analysis and Design</i> , 2nd Edition, Ch. 12, pp 575-597 (1997). |
| <input checked="" type="checkbox"/> | Balanis, C., "Microstrip Antennas," <i>Antenna Theory, Analysis and Design</i> , 2nd Edition, Ch. 14, pp 722-736 (1997). |
| <input checked="" type="checkbox"/> | Bialkowski, M.E., et al., "Electronically Steered Antenna System for the Australian Mobilesat," <i>IEE Proc.-Microw. Antennas Propag.</i> , Vol. 143, No. 4, pp 347-352 (August 1996). |
| <input checked="" type="checkbox"/> | Bradley, T.W., et al., "Development Of A Voltage-Variable Dielectric (VVD), Electronic Scan Antenna," <i>Radar 97</i> , Publication No. 449, pp. 383-385 (October 1997). |
| <input checked="" type="checkbox"/> | Chen, P.W., et al., "Planar Double-Layer Leaky Wave Microstrip Antenna," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 50, pp. 832-835 (2002). |
| <input checked="" type="checkbox"/> | Chen, Q., et al., "FDTD diakoptic design of a slop-loop antenna excited by a coplanar waveguide," <i>Proceedings of the 25th European Microwave Conference 1995</i> , Vol. 2, Conf. 25, pp 815-819 (September 4, 1995). |
| <input checked="" type="checkbox"/> | Cognard, J., "Alignment of Nematic Liquid Crystals and Their Mixtures," <i>Mol. Cryst. Liq., Cryst. Suppl.</i> 1, pp 1-74 (1982). |
| <input checked="" type="checkbox"/> | Doane, J.W., et al., "Field Controlled Light Scattering from Nematic Microdroplets," <i>Appl. Phys. Lett.</i> , Vol. 48, pp 269-271 (January 1986). |
| <input checked="" type="checkbox"/> | Ellis, T.J., et al., "MM-Wave Tapered Slot Antennas on Micromachined Photonic Bandgap Dielectrics," <i>1996 IEEE MTT-S International Microwave Symposium Digest</i> , Vol. 2, pp. 1157-1160 (1996). |
| <input checked="" type="checkbox"/> | Grbic, A., et al., "Experimental Verification of Backward Wave Radiation From A Negative Refractive Index Metamaterial," <i>Journal of Applied Physics</i> , Vol. 92, No.10, pp. 5930-5935 (November 15, 2002). |
| <input checked="" type="checkbox"/> | Hu, C.N., et al., "Analysis and Design of Large Leaky-Mode Array Employing The Coupled-Mode Approach," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 49, No. 4, pp. 629-636 (April 2001). |
| <input checked="" type="checkbox"/> | Jablonski, W., et al., "Microwave Schottky Diode With Beam-Lead Contacts," <i>13th Conference on Microwaves, Radar and Wireless Communications, MIKON-2000</i> , Vol. 2, pp. 678-681 (2000). |
| <input checked="" type="checkbox"/> | Jensen, M.A., et al., "EM Interaction of Handset Antennas and a Human in Personal Communications," <i>Proceedings of the IEEE</i> , Vol. 83, No. 1, pp 7-17 (January 1995). |
| <input checked="" type="checkbox"/> | Jensen, M.A., et al., "Performance Analysis of Antennas for Hand-held Transceivers Using FDTD," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 42, No. 8, pp 1106-1113 (August 1994). |

| | |
|-----------------------------|----------------------------|
| EXAMINER <i>Kimberly</i> | DATE CONSIDERED 4/26/05 |
|-----------------------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
 USSN 10/786,736
 November 2, 2004
 Page 17

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 11 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Lee, J.W., et al., "TM-Wave Reduction From Grooves In A Dielectric-Covered Ground Plane," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 49, No.1, pp.104-105 (January 2001). |
| | Linardou, I., et al., "Twin Vivaldi Antenna Fed By Coplanar Waveguide," <i>Electronics Letters</i> , Vol. 33, No. 22, pp 1835-1837 (1997). |
| | Malherbe, A., et al., "The Compensatation of Step Discontinues in TEM-Mode Transmission Lines," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No.11, pp. 883-885 (November 1978). |
| | Maruhashi, K., et al., "Design and Performance of a Ka-Band Monolithic Phase Shifter Utilizing Nonresonant FET Switches," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 48, No. 8, pp. 1313-1317 (August 2000). |
| | Perini, P., et al., "Angle and Space Diversity Comparisons in Different Mobile Radio Environments," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 46, No. 6, pp. 764-775 (June 1998). |
| | Ramo, S., et al., <i>Fields and Waves in Communication Electronics</i> , 3rd Edition, Sections 9.8-9.11, pp 476-487 (1994). |
| | Rebeiz, G.M., et al., "RF MEMS Switches and Switch Circuits," <i>IEEE Microwave Magazine</i> , pp. 59-71 (December 2001). |
| | Schaffner, J., et al., "Reconfigurable Aperture Antennas Using RF MEMS Switches for Multi-Octave Tunability and Beam Steering," <i>IEEE Antennas and Propagation Society International Symposium, 2000 Digest</i> , Vol. 1 of 4, pp 321-324 (July 16, 2000). |
| | Semouchkina, E., et al., "Numerical Modeling and Experimental Study of A Novel Leaky Wave Antenna," <i>Antennas and Propagation Society, IEEE International Symposium</i> , Vol. 4, pp. 234-237 (2001). |
| | Sievenpiper, D., et al., "Eliminating Surface Currents With Metallodielectric Photonic Crystals," <i>1998 MTT-S International Microwave Symposium Digest</i> , Vol. 2, pp. 663-666 (June 7, 1998). |
| | Sievenpiper, D., et al., "High-Impedance Electromagnetic Surfaces with a Forbidden Frequency Band," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 47, No. 11, pp 2059-2074 (November 1999). |
| | Sievenpiper, D., et al., "High-Impedance Electromagnetic Surfaces," <i>Ph.D. Dissertation</i> , Dept. Of Electrical Engineering, University of California, Los Angeles, CA, pp. i-xi, 1-150 (1999). |
| | Sievenpiper, D., et al., "Low-Profile, Four-Sector Diversity Antenna On High-Impedance Ground Plane," <i>Electronics Letters</i> , Vol. 36, No. 16, pp. 1343-1345 (August 3, 2000). |

| | |
|--------------|----------------------------|
| EXAMINER | DATE CONSIDERED 4/24/05 |
|--------------|----------------------------|

EXAMINER: Initials if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement
USSN 10/786,736
November 2, 2004
Page 18

11/04/04

| | | |
|--------------------------------------------------|------------------------------------------|-------------------------------|
| Form PTO-1449 (Modified) Page 12 of 12 | ATTY DOCKET NO. B-4958NP 621373-2 | U.S. SERIAL NO. 10/786,736 |
| LIST OF PATENTS AND PUBLICATIONS STATEMENT | APPLICANTS James H. Schaffner, et al. | |
| | FILING DATE February 24, 2004 | GROUP 2817 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Sor, J., et al., "A Reconfigurable Leaky-Wave/Patch Microstrip Aperture For Phased-Array Applications," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 50, No. 8, pp. 1877-1884 (August 2002). |
| | Vaughan, Mark J., et al., "InP-Based 28 Gh _z Integrated Antennas for Point-to-Multipoint Distribution," <i>Proceedings of the IEEE/Cornell Conference on Advanced Concepts in High Speed Semiconductor Devices and Circuits</i> , pp. 75-84 (1995). |
| | Vaughan, R., "Spaced Directive Antennas for Mobile Communications by the Fourier Transform Method," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 48, No. 7, pp. 1025-1032 (July 2000). |
| | Wang, C.J., et al., "Two-Dimensional Scanning Leaky Wave Antenna by Utilizing the Phased Array," <i>IEEE Microwave and Wireless Components Letters</i> , Vol. 12, No. 8, pp. 311-313, (August 2002). |
| | Wu, S.T., et al., "High Birefringence and Wide Nematic Range Bis-Tolane Liquid Crystals," <i>Appl. Phys. Lett.</i> , Vol. 74, No. 5, pp. 344-346 (January 18, 1999). |
| | Yang, Hung-Yu David, et al., "Theory of Line-Source Radiation From A Metal-Strip Grating Dielectric-Slab Structure," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 48, No. 4, pp. 556-564 (2000). |
| | Yashchyshyn, Y., et al., "The Leaky-Wave Antenna With Ferroelectric Substrate," <i>14th International Conference on Microwaves, Radar and Wireless Communications, MIKON-2002</i> , Vol. 2, pp. 218-221 (2002). |

| | |
|--------------|----------------------------|
| EXAMINER | DATE CONSIDERED 4/26/05 |
|--------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.